

APR 28 2003

Please type a plus sign (+) inside this box (+)

PTO/SB/08B (08-03)

Approved for use through 10/31/2002. OMB 0651-0031)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (use as many sheets as necessary)

Complete if Known

Application Number	10/075,035
Filing Date	February 12, 2002
First Named Inventor	Z. Gerald Liu
Group Art Unit	.1724 1764
Examiner Name	Hen Tran
Attorney Docket number	4695-00009

Sheet

1

of

1

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m	3,022,861	2/1962	Harms			
	3,655,060	4/1972	Hagdahl			
	4,857,089	8/1989	Kitagawa et al			
m	5,089,237	2/1992	Schuster et al			

## **FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

## **OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


 Examiner  
Signature

Hen Tran

Date

Considered

6/1/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box (+)

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031)  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

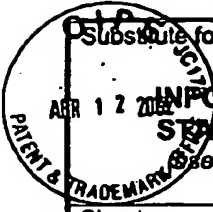
Complete if Known

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of 8

Application Number 10/075,035  
Filing Date February 12, 2002  
First Named Inventor Z. Gerald Li  
Group Art Unit 1724 1764  
Examiner Name Hum Tran  
Attorney Docket number 4695-00009



RECEIVED  
APR 15 2002  
FC 1700

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
m	RE33,118	11/1989	Scheltlin et al.			
	D342,990	1/1994	Jaroszcyk			
	1,893,372	1/1933	Krzanowsky			
	1,924,472	8/1933	Thomson			
	2,410,371	10/1946	Vokes			
	2,553,054	5/1951	Lincoln et al.			
	3,025,864	3/1962	Summers et al.			
	3,441,381	4/1969	Keith et al.			
	3,692,184	9/1972	Miller, Jr., et al.			
m	3,708,857	1/1973	Labadie			

## FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
m	563768	1/1943	Great Britain				
	88/03431	5/1988	WIPO				
	2-53442	2/1999	Japan			Abstract	
m	2-79024	3/1990	Japan			Abstract	

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)


Examiner  
Signature

Hum

Date

Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box [ + ]

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Sheet 2 of 8

Complete if Known

Application Number 10/075,035  
Filing Date February 12, 2002  
First Named Inventor Z. Gerald Lib  
Group Art Unit 1724 R64  
Examiner Name Hien Tran  
Attorney Docket number 4695-00889

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	3,799,354	3/1974	Buckman et al.			
	3,844,749	10/1974	Carter, Sr.			
	4,017,347	4/1977	Cleveland			
	4,056,375	11/1977	Ringel et al.			
	4,130,487	12/1978	Hunter et al.			
	4,157,902	6/1979	Tokar			
	4,410,427	10/1983	Wydevan			
	4,419,108	12/1983	Frost et al.			
	4,430,223	2/1984	Miyakawa et al.			
W	4,441,899	4/1984	Takagai et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
W	9-125931	5/1997	Japan			Abstract	
W	2001-200715	7/2001	Japan			Abstract	

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner  
Signature

Hien Tran

Date

Considered

6/1/05

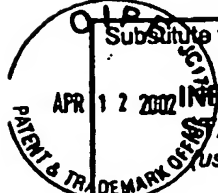
\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box [+]

PTO/SB/088 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (use as many sheets as necessary)

Sheet 3 of 8

Complete if Known

Application Number 10/075,035  
Filing Date February 12, 2002  
First Named Inventor Z. Gerald Liu  
Group Art Unit 1724-1764  
Examiner Name Hien Tran  
Attorney Docket number 4695-00889

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
WY	4,455,823	6/1984	Bly et al.			
	4,498,989	1/1985	Miyakawa et al.			
	4,548,626	10/1985	Ackley et al.			
	4,589,983	5/1986	Wydevan			
	4,619,675	10/1986	Watanabe			
	4,542,286	3/1987	Kusuda et al.			
	4,652,286	3/1987	Kusuda et al.			
	4,878,929	11/1989	Tofslund et al.			
	4,902,487	1/1990	Cooper et al.			
WY	4,925,561	5/1990	Ishii et al.			

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## **OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner  
Signature

Hien Tran

Date

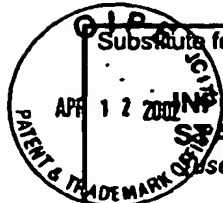
Considered

6/1/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box (+)

PTO/SB/088 (08-00)  
Approved for use through 10/31/2002. OMB 0851-0031)  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE



Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Sheet 4 of 8

Complete if Known

Application Number 10/075,035  
Filing Date February 12, 2002  
First Named Inventor Z. Gerald Liu  
Group Art Unit 1724 / 1764  
Examiner Name Hien Tran  
Attorney Docket number 4895-00009

RECEIVED  
APR 15 2002  
TC 1700

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	4,960,449	10/1990	Yonushonis			
	5,008,086	4/1991	Merry			
	5,014,509	5/1991	Broering et al.			
	5,015,376	5/1991	Picek			
	5,030,263	7/1991	Kemp			
	5,035,236	7/1991	Kanegaonkar			
	5,052,178	10/1991	Clerc et al.			
	5,063,736	11/1991	Hough et al.			
	5,082,479	1/1992	Miller			
M	5,108,397	4/1992	Jaroszczyk et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner  
Signature

Hien Tran

Date

Considered

6/1/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box (+)

PTO/SB/088 (08-00)

Approved for us through 10/31/2002. OMB 0651-0031)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(use as many sheets as necessary)

Sheet 5 of 8

Complete if Known	
Application Number	10/075,035
Filing Date	February 12, 2002
First Named Inventor	Z. Gerald Lin
Group Art Unit	1724 1264
Examiner Name	Hien Tran
Attorney Docket number	4695-00009

APR 2 2002  
PATENT & TRADEMARK OFFICE

RECEIVED  
APR 15 2002  
PC 1700

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILED DATE IF APPROPRIATE
W	5,137,696	8/1992	Hitachi et al.			
	5,174,895	12/1992	Droni			
	5,252,299	10/1993	Retallick			
	5,298,046	3/1994	Pelsert			
	5,304,351	4/1994	Tanaka et al.			
	5,322,537	6/1994	Nakamura et al.			
	5,346,675	9/1994	Usui et al.			
	5,380,501	1/1995	Hitachi et al.			
	5,385,873	1/1995	MacNeill			
W	5,468,384	11/1995	Garcera et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner Signature	Hien Tran	Date	6/1/05
		Considered	

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box [ + ]

PTO/SB/08B (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
(Use as many sheets as necessary)

Sheet 6 of 8

Application Number 10/075,035  
Filing Date February 12, 2002  
First Named Inventor Z. Gerald Liu  
Group Art Unit 1724 1764  
Examiner Name Hen Tran  
Attorney Docket number 4695-00089

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m	5,480,621	1/1996	Breuer et al.			
	5,548,069	8/1996	Holden et al.			
	5,549,722	8/1996	Zemaitis et al.			
	5,562,825	10/1996	Yamada et al.			
	5,632,792	5/1997	Haggard			
	5,772,883	6/1998	Rothman et al.			
	5,792,247	8/1998	Gillingham et al.			
	5,820,646	10/1998	Gillingham et al.			
	5,848,641	12/1998	Abeles et al.			
w	5,863,311	1/1999	Nagal et al.			

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner  
Signature

Hen Tran

Date

Considered

6/1/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.

Please type a plus sign (+) inside this box (+)

PTO/SB/088 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031)  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(as many sheets as necessary)

Sheet

7

of

8

Complete if Known

Application Number 10/075,035  
Filing Date February 12, 2002  
First Named Inventor Z. Gerardo Nu  
Group Art Unit 1724  
Examiner Name Hien Tran  
Attorney Docket number 4695-000097.5

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
my	5,891,402	4/1999	Sassa et al.			
	5,902,364	5/1999	Tokar et al.			
	5,908,480	6/1999	Ban et al.			
	5,925,561	7/1999	Possellus, Jr., et al.			
	5,961,931	10/1999	Ban et al.			
	6,093,378	7/2000	Deeba et al.			
	6,238,561	5/2001	Liu et al.			
	6,245,301	6/2001	Stroom et al.			
	6,294,141	9/2001	Twigg et al.			
my	2001/0027645	10/2001	Itoh et al.			

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## **OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner  
Signature

Hien Tran

Date

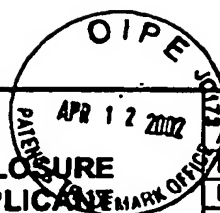
Considered

6/1/05

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.



Please type a plus sign (+) inside this box (+)



PTO/SB/08B (08-00)

Approved for use through 10/31/2002. OMB 0651-0031)

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT** (use as many sheets as necessary)

Complete If Known

Application Number	10/075,035
Filing Date	February 12, 2002
First Named Inventor	Z. Gerald Liu
Group Art Unit	1724 1704 Apr 12 2002
Examiner Name	then Tran
Attorney Docket number	4695-08009

Sheet 8 of 8

## **U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
m	2001/0027646	10/2001	Itoh et al.			
m	2001/0027647	10/2001	Itoh et al.			

## **FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

## **OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**


Examiner Signature	then Tran	Date Considered	6/1/05
-----------------------	-----------	--------------------	--------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to client.